

**IN THE CLAIMS:**

Please **AMEND** claims 1-11, 13-19, 27-28, and 31 as follows.

Please **ADD** claims 32-34 as follows.

1. (Currently Amended) A method, comprising:  
transmitting a multicast service notification to a certain multicast group, wherein  
said notification configured to inform of an upcoming multicast session;  
receiving the multicast service notification in mobile stations belonging to said  
multicast group;  
in response to said receiving the multicast service notification, selecting a moment  
for a response to said multicast service notification in said mobile stations;  
sending a presence report from at least one of said mobile stations at the response  
moment of said at least one mobile station;  
receiving ~~the a~~ a presence report(s)report in a radio access network;  
setting up radio resources for multicast transmission in a cell of a cellular network,  
when the presence ~~report(s)report~~ received in said cell ~~meet(s)~~ meets a predetermined  
criteria; and  
transmitting the multicast data using the radio resources set up for the multicast  
transmission,  
wherein the cellular network ~~includes~~ comprises mobile stations.

2. (Currently Amended) A method according to claim 1, wherein ~~selecting a moment for a response~~, the response moment is specific to each of said mobile stations within a certain upcoming time period.

3. (Currently Amended) A method according to claim 2, further comprising:  
informing at least some of said mobile stations of ~~a~~the presence report received in the radio access network; and  
in response to said informing ~~step~~, canceling the sending of the presence report in a mobile station waiting for its response moment to arrive.

4. (Currently Amended) A method according to claim 3, wherein said informing ~~step~~ further ~~includes~~ comprises sending a radio bearer assignment notification to said mobile stations in response to the setting up the radio resources.

5. (Currently Amended) A method according to claim 2, wherein the selecting ~~a~~the moment for ~~a~~the response ~~includes~~ comprises selecting a random response moment within said certain upcoming time period.

6. (Currently Amended) A method according to claim 5, further comprising:  
sending information on ~~the~~ a length of the certain upcoming time period in the multicast service notification.

7. (Currently Amended) A method according to claim 1, further ~~including~~comprising:

checking ~~the~~ locations of said mobile stations in the cellular network.

8. (Currently Amended) A method according to claim 7, wherein ~~the each of~~ the locations are checked at ~~the a~~ routing area level, ~~whereby wherein an identity the~~ identities of ~~the each~~ routing area is ~~areas are~~ obtained where a ~~the mobile stations station~~ are is located.

9. (Currently Amended) A method according to claim 8, wherein the transmitting of the multicast service notification ~~includes~~ comprises transmitting said notification to all cells in the routing areas where the mobile stations are located.

10. (Currently Amended) A method according to claim 8, further comprising:  
checking the locations of at least some of said mobile stations at ~~the a~~ cell level, whereby a set of cells are obtained ~~containing~~ comprising mobile stations belonging to the multicast group.

11. (Currently Amended) A method according to claim 10, wherein the transmitting of the multicast service notification comprises ~~includes~~ transmitting said

notification within all cells in the routing areas where the mobile stations are located, except within said set of cells.

12. (Original) A method according to claim 1, wherein the setting up of the radio resources is performed for a cell when the number of presence reports received from the cell reaches a predetermined limit.

13. (Currently Amended) A method according to claim 12, wherein said predetermined limit is one.

14. (Currently Amended) A method according to claim 2, wherein the transmitting of the multicast service notification ~~includes~~ comprises transmitting said notification periodically during said certain upcoming time period.

15. (Currently Amended) A method according to claim 14, further comprising: updating ~~the~~ a length of the certain upcoming time period ~~in the~~ for periodically transmitted notifications. ~~transmitted periodically.~~

16. (Currently Amended) A method according to claim 1, further comprising: monitoring ~~the~~ a number of members of the multicast group in a cell during the upcoming multicast session.

17. (Currently Amended) A method according to claim 1, further comprising:  
authenticating at least one of the mobile stations prior to the transmitting of the  
multicast data.

18. (Currently Amended) A method according to claim 17, wherein the  
authenticating the at least one of the mobile stations ~~includes~~ comprises inserting a  
challenge in the multicast service notification, and returning a response in the presence  
report.

19. (Currently Amended) A system, comprising:  
a radio access network configured to transmit a multicast service notification to  
mobile stations belonging to a multicast group;

in said mobile stations, a selector configured to select a moment for a response to  
said multicast service notification and further configured to send a presence report to the  
radio access network when the response moment arrives, ~~whereby~~ wherein the radio  
access network is further configured to receive the presence reports; and;

a processor configured to establish radio resources for the multicast transmission  
in individual cells of a cellular network, ~~whereby~~ wherein the processor ~~being~~ is  
configured to establish the radio resources for a cell when the presence ~~report(s)~~ report  
received in the cell ~~meet(s)~~ meets a predetermined criteria.

20. (Previously Presented) A system according to claim 19, wherein the processor is further configured to establish the radio resources for a cell when the number of presence reports received from the cell reaches a predetermined limit.

21. (Original) A system according to claim 20, wherein said limit is one.

22. (Previously Presented) A system according to claim 20, wherein said mobile stations are further configured to cancel the sending of the presence report in response to the reception of a predetermined message.

23. (Previously Presented) A system according to claim 22, wherein at least one of the mobile stations is configured to cancel the sending of the presence report in response to receiving a presence report sent by another mobile station.

24. (Original) A system according to claim 22, wherein the predetermined message indicates that the radio resources have been established.

25. (Previously Presented) A system according to claim 19, wherein said selector is further configured to select a random moment from within a given time period.

26. (Previously Presented) A system according to claim 19, wherein the system further comprises an authenticator configured to authenticate the mobile stations.

27. (Currently Amended) An apparatus, comprising:  
a receiver configured to receive a multicast service notification informing of an upcoming multicast session; and,  
a processor configured to select a moment for a response to said multicast service notification and further configured to send a presence report at the response moment;  
wherein the presence report ~~indicating~~ indicates the willingness of the apparatus to receive the multicast service, and  
wherein the receiver is further configured to receive a notification informing of a presence report sent by another apparatus.

28. (Currently Amended) An apparatus according to claim 27, wherein the processor is further configured to cancel the sending of the presence report in response to the notification informing of a presence report sent by the another apparatus.

29. (Previously Presented) An apparatus according to claim 27, wherein the processor comprises a timer configured to expire at the response moment.

30. (Previously Presented) A system, comprising:

a radio access network configured to transmit a multicast service notification to mobile stations belonging to a multicast group,

in said mobile stations, first processing means for selecting a moment for a response to said multicast service notification and for sending a presence report to the radio access network when the response moment arrives, whereby the radio access network is configured to receive the presence reports,

second processing means for establishing radio resources for the multicast transmission in individual cells of the cellular network, the second processing means for establishing the radio resources for a cell when the presence report(s) received in the cell meet(s) predetermined criteria.

31. (Currently Amended) An apparatus, comprising:

reception means for receiving a multicast service notification informing of an upcoming multicast session; and,

response means for selecting a moment for a response to said multicast service notification and for sending a presence report at the response moment,

wherein the presence report ~~indicating~~ indicates the willingness of the apparatus to receive the multicast service, and

wherein the reception means are further for receiving a notification informing of a presence report sent by another apparatus.



32. (New) A method, comprising:  
receiving a multicast service notification informing of an upcoming multicast session;  
selecting a moment for a response to said multicast service notification and further configured to send a presence report at the response moment; and  
receiving a notification informing of a presence report sent by another apparatus,  
wherein the presence report indicates the willingness of the apparatus to receive the multicast service.

33. (New) An apparatus according to claim 32, further comprising:  
canceling the sending of the presence report in response to the notification informing of a presence report sent by the another apparatus.

34. (New) An apparatus according to claim 32, further comprising:  
terminating a timer at the response moment.